

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A multifunction power convertor, comprising:
 - a rectifier circuit;
 - a filter circuit connecting with the rectifier circuit;
 - an inverter circuit connecting with the filter circuit;
 - differential mode voltage suppression reactors (LS₁, LS₂, LS₃) which connect in series with the output lines (U, V, W) of the inverter circuit respectively; and
 - a filter capacitor group, said filter capacitor group comprising a plurality consists of capacitors (C₃, C₄, C₅), one ends of which that connect in series with the output lines (U, V, W); while
wherein the other ends of said plurality of capacitors (C₃, C₄, C₅) connect in parallel and form a center point (N);
characterized in that wherein a closed magnetic ring is provided on the output lines (U, V, W) of the inverter circuit between the differential mode voltage suppression reactors and the filter capacitor group; and;
wherein the closed magnetic ring is arranged in such way that the output lines (U, V, A, W) wind in parallel on the closed magnetic ring.
 - 2. (Currently Amended) The multifunction power convertor of claimed in claim 1 or its preamble portion, characterized in that wherein the center point (N) of the filter capacitor group connects with a the center point (A) of a the DC source of the rectifier filter circuit and together join the ground.